

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L21	773	(electrode WITH core) same transparent	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/07/02 16:43
L22	289	21 and (waveguide or fiber)	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/07/02 16:44
L23	114	22 and (absorb\$)	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/07/02 16:44
L24	8	23 and ("SPR" or surface NEAR2 plasmon)	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/07/02 16:45
L25	11	22 and ("SPR" or surface NEAR2 plasmon)	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/07/02 16:47
L26	14	21 and ("SPR" or surface NEAR2 plasmon)	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/07/02 16:49
L27	3095	waveguide and ("SPR" or surface NEAR2 plasmon)	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/07/02 16:49
L28	369	(waveguide with prism) and ("SPR" or surface NEAR2 plasmon)	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/07/02 16:50
L29	6	28 and crystal oscillator	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/07/02 16:50

L30	23	28 and surface acoustic	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/07/02 16:51
L31	2607	356/445.cds.	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/07/02 16:52
L32	557	31 and ("SPR" or surface NEAR2 plasmon)	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/07/02 16:52
L33	103	32 and electrode	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/07/02 16:53
S1	2	"20080060438"	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/02 16:39
S2	50	(US-20020192718-\$ or US-20070251322-\$ or US-20080202926-\$ or US-20080229829-\$ or US-20080022755-\$ or US-20020068018-\$). dId. or (US-6432624-\$ or US-6235488-\$ or US- 6586232-\$ or US- 4314821-\$ or US- 5447869-\$ or US- 6111342-\$ or US- 6293136-\$ or US- 6544478-\$ or US- 7398163-\$ or US- 4259319-\$ or US- 4875759-\$ or US- 5018829-\$ or US- 5296321-\$ or US- 6342343-\$ or US- 6379880-\$ or US- 6395466-\$ or US- 5413956-\$ or US- 5571750-\$ or US- 5506722-\$ or US- 5836073-\$ or US- 4784449-\$ or US- 4879725-\$ or US- 4881798-\$ or US- 5514484-\$ or US-	US-PGPUB; USPAT	ADJ	ON	2009/02/03 11:25

		5612086-\$ or US- 5991491-\$).did. or (US- 6081632-\$ or US- 4866406-\$ or US- 4977568-\$ or US- 5399185-\$ or US- 5424867-\$ or US- 5522973-\$ or US- 5568308-\$ or US- 5570225-\$ or US- 5650362-\$ or US- 5656382-\$ or US- 6298075-\$ or US- 6310665-\$ or US- 6453100-\$ or US- 6465742-\$ or US- 6674565-\$ or US- 6753846-\$ or US- 7013061-\$ or US- 7062140-\$).did.				
S3	1	"20020043890"	US-PGPUB; USPAT	ADJ	ON	2009/02/09 16:34
S4	1	(wang, guangyu).in.	US-PGPUB; USPAT	ADJ	ON	2009/02/09 16:39
S5	2	(shinbo, kazunari).in.	US-PGPUB; USPAT	ADJ	ON	2009/02/09 16:55
S6	2	(kaneko, futao).in.	US-PGPUB; USPAT	ADJ	ON	2009/02/09 16:56
S7	16	(kato, keizo).in.	US-PGPUB; USPAT	ADJ	ON	2009/02/09 16:56
S8	11	(kaneko, futao).in.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/09 16:56
S9	6	(shinbo, kazunari).in.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/09 16:56
S10	161	(kato, keizo).in.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/09 16:57
S11	1	(ohdaira, yasu).in.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/09 16:57

S12	251	(kawakami, takahiro).in.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/09 16:57
S13	41	(S7 or S8 or S9 or S10 or S11 or S12) and (crystal or surface plasmon)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/09 16:58
S14	1116	204/400.cds.	US-PGPUB; USPAT	ADJ	ON	2009/02/09 17:09
S15	1097	422/50.cds.	US-PGPUB; USPAT	ADJ	ON	2009/02/09 17:09
S16	0	(shigeki, hontsu).in.	US-PGPUB; USPAT	ADJ	ON	2009/02/09 17:10
S17	1	(hontsu, shigeki).in.	US-PGPUB; USPAT	ADJ	ON	2009/02/09 17:11
S18	2	(kusunoki, masanobu).in.	US-PGPUB; USPAT	ADJ	ON	2009/02/09 17:11
S19	26	(nishikawa, hiroaki).in.	US-PGPUB; USPAT	ADJ	ON	2009/02/09 17:12
S20	2187	S14 or S15	US-PGPUB; USPAT	ADJ	ON	2009/02/09 17:14
S21	414	S20 and (surface plasmon or crystal)	US-PGPUB; USPAT	ADJ	ON	2009/02/09 17:14
S22	32	S20 and (surface plasmon and crystal)	US-PGPUB; USPAT	ADJ	ON	2009/02/09 17:14
S23	1589	356/445.cds.	US-PGPUB; USPAT	ADJ	ON	2009/02/09 17:46
S24	424	S23 and surface plasmon	US-PGPUB; USPAT	ADJ	ON	2009/02/09 17:46
S25	111	S24 and crystal	US-PGPUB; USPAT	ADJ	ON	2009/02/09 17:47
S26	16327	surface plasmon	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/09 17:55
S27	5015	S26 and crystal	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/09 17:56
S28	52	S27 and clad and core	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/09 17:56

S29	1473	S27 and (electrode)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/09 17:58
S30	920	S29 and (waveguide or fiber)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/09 17:58
S31	394	S30 and absorb	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/09 18:59
S32	697	S30 and absorb\$6	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/09 18:59
S33	307026	"32" and (acoustic or sound)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/09 19:00
S34	261	S32 and (acoustic or sound)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/09 19:00
S35	27	("4236893"   "4299916"   "4314821"   "4735906"   "4999284"   "5135852"   "5362653"   "5501986").PN. OR ("5658732").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/02/09 19:02
S36	22	("4420720"   "4760328"   "4778657").PN. OR ("5362653").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/02/09 19:08
S37	973	(376/245,248).cds.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/02/10 10:22
S38	26528	("372"/\$).cds.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/02/10 10:45
S39	2498	(qcm or quartz crystal microbalance)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/10 17:03

S40	614	S39 and (spr or surface near plasm\$6)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/10 17:04
S41	272	S40 and (fiber or waveguide)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/10 17:04
S42	16	S41 and (transparent NEAR electrode)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/10 18:51
S43	395	(qcm or quartz crystal microbalance or crystal oscillator) SAME (clad or core)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/10 18:57
S44	11	S43 and absorption	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/10 18:57
S45	692	S39 and biosensor	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/10 19:05
S46	171	S45 and S41	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/10 19:05
S47	788	(qcm or quartz crystal microbalance or crystal oscillator) and biosensor	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/10 19:05
S48	171	S47 and S41	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/10 19:05
S49	2	"7057731".pn.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/04/06 11:01

S50	3	"20040061860"	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/04/06 11:05
S51	6	("20020094528"   "20030048452"   "20030113231"   "4253765"   "5880833"   "5973780").PN. OR ("7057731").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/04/06 11:05
S52	16938	surface NEAR2 plasmon	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/04/06 11:21
S53	5229	S52 and (crystal)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/04/06 11:21
S54	1472233	(crystal or crystal NEAR2 oscillator)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/04/06 11:22
S55	5229	S54 and S52	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/04/06 11:22
S56	1814066	(waveguide or fiber)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/04/06 11:23
S57	2585	S56 and S55	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/04/06 11:23
S58	990	S57 and electrode\$	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/04/06 11:23
S59	545	S58 and adsorption	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/04/06 11:24

S60	10	S59 and crystal oscillator	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/04/06 11:28
S61	2	"20060274314"	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/04/06 11:36
S62	61	("20030058530"   "20030132406"   "20060274314"   "4917462"   "5024507"   "5028132"   "5168538"   "5286970"   "5290378"   "5416879"   "5484822"   "5485536"   "5492987"   "5534558"   "5606633"   "5778119"   "5812722"   "5812724"   "5846842"   "5876753"   "6157484"   "6225636"   "6255642"   "6289717"   "6408123"   "6432364"   "6442321"   "6480282"   "6571035"   "6625336"   "7268868").PN.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/04/06 11:40
S63	33	("4915482"   "5485277"   "5583643"   "5677978"   "5729641"   "5858799"   "6034809"   "6201226"   "6282005").PN. OR ("6408123").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/04/06 11:49
S64	1	"5512492".pn.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/04/06 12:07
S65	19	(US-20020068018-\$ or US-20080163688-\$ or US-20080060438-\$ or US-20030048452-\$ or US-20030215865-\$ or US-20050249667-\$). did. or (US-6674565-\$ or US-5658732-\$ or US- 5362653-\$ or US- 6673533-\$ or US- 6408123-\$ or US- 5729641-\$ or US- 6034809-\$ or US-	US-PGPUB; USPAT	ADJ	ON	2009/04/06 13:54



		6282005-\$ or US-6201226-\$ or US-5858799-\$ or US-6852968-\$ or US-6432364-\$ or US-5512492-\$).did.				
S66	8	S65 and acoustic	US-PGPUB; USPAT	ADJ	ON	2009/04/06 13:55
S67	471970	"19" and (clad or core)	US-PGPUB; USPAT	ADJ	ON	2009/04/06 15:53
S68	26	(nishikawa, hiroaki).in.	US-PGPUB; USPAT	ADJ	ON	2009/04/06 15:54
S69	0	S68 and (clad or core)	US-PGPUB; USPAT	ADJ	ON	2009/04/06 15:54
S70	19	(US-20020068018-\$ or US-20080163688-\$ or US-20080060438-\$ or US-20030048452-\$ or US-20030215865-\$ or US-20050249667-\$). did. or (US-6674565-\$ or US-5658732-\$ or US-5362653-\$ or US-6673533-\$ or US-6408123-\$ or US-5729641-\$ or US-6034809-\$ or US-6282005-\$ or US-6201226-\$ or US-5858799-\$ or US-6852968-\$ or US-6432364-\$ or US-5512492-\$).did.	US-PGPUB; USPAT	ADJ	ON	2009/04/06 15:54
S71	9	S70 and (clad or core)	US-PGPUB; USPAT	ADJ	ON	2009/04/06 15:54
S72	5	S70 and (transparent NEAR electrode)	US-PGPUB; USPAT	ADJ	ON	2009/04/06 16:56
S73	40	metal colloid SAME (SPR or surface NEAR plasmon)	US-PGPUB; USPAT	ADJ	ON	2009/04/06 17:23
S74	1	"20080144016"	US-PGPUB; USPAT	ADJ	ON	2009/04/06 18:59
S75	6974	crystal oscillator and electrode	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/11/06 10:35
S76	148	S75 and adsorption	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/11/06 10:35

S77	32	S76 and (waveguide or fiber)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/11/06 10:35
S78	8477	(quartz crystal microbalance or "QCM" or crystal oscillator) and electrode	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/11/06 10:48
S79	2855	(quartz crystal microbalance or "QCM")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/11/06 10:48
S80	63	S79 and "356"/\$.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/11/06 10:49
S81	38	S80 and (waveguide or fiber)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/11/06 10:49
S82	38	S78 and metal colloid	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/11/06 11:16
S83	783	quartz vibrator	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/11/06 11:34
S84	23	S83 and (waveguide or fiber)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/11/06 11:34
S85	289	spr same colloid\$	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/11/06 14:17
S86	134	S85 same gold	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/11/06 14:17

S87	2	"7057732".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/11/06 14:37
S88	1	S87 and gold colloidal	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/11/06 14:37
S89	1	S87 and colloid\$	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/11/06 14:37
S90	3	"20040218184"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/11/06 14:39
S91	0	S90 and colloid	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/11/06 14:39
S92	298	waveguide with clad with transparent	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/11/09 08:58
S93	5	((surface NEAR2 plasmon) or "SPR") and S92	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/11/09 08:59
S94	63921	"5" and clad	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/11/09 09:04
S95	5	S93 and clad	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/11/09 09:04
S96	167827	electrode SAME transparent	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/11/09 09:08

S97	994	electrode SAME transparent same core	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/11/09 09:08
S98	183828	waveguide	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/11/09 09:35
S99	1	electrode NEAR10 (refractive adj index)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/11/09 09:37
S100	1544012	crystal	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/11/09 09:37
S101	0	S98 same S99 same S100	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/11/09 09:37
S102	6588	electrode NEAR10 (refractive adj index)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/11/09 09:37
S103	284	S98 same S102 same S100	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/11/09 09:37
S104	27	S103 same core	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/11/09 09:38
S105	64	waveguide same clad same transparent same electrode	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/11/09 09:53
S107	1118	(electrode WITH core) same (transparent or clear)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/11/09 09:55

S108	77	S107 same waveguide	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/11/09 09:55
S109	2	"7236633".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/11/09 10:09
S110	2	"7236633".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/11/09 10:09

**EAST Search History (Interference)**

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**7/ 2/ 2010 4:55:20 PM****C:\ Documents and Settings\mlapage\ My Documents\ EAST\ Workspaces\ 10591196.wsp**